

**Significant Items for Eric Tharp**  
**December 2004**

**DCS Factory Acceptance Test** - The team of engineers and technicians working on the installation of the new Distributed Control System (DCS) was at the ABB factory in Ohio completing the Factory Acceptance Test (FAT) for the Unit 1 equipment that will be installed this coming outage. The work this year will consist of a new information system the same as was installed on Unit 2 last year. The FAT was successful with only some minor punchlist items remaining and the equipment will now ship to the site for installation. The DCS team also went to San Diego again to assist with resolving the remaining problems with the new simulator that is scheduled to arrive at the site in January, 2005. The simulator will be used to train the Operators on the new control system prior to installation of the first complete system on Unit 2 in 2006.

**ID Fan Drive Factory Inspection**- Two new ID fan drives will be installed on Unit 1 during the upcoming outage. Two IPSC engineers went to the Alstom factory to inspect the drives. The Unit 1 'D' drive is complete with minor punch list items and is being tested. The Unit 1 'C' drive is 60 % complete. The cabinets for Unit 2 "A", 'B' and 'C' drives that will be installed in 2006 have arrived at the factory and they should start mounting the equipment and start wiring in the next three weeks. We also reviewed the operation of the new human machine interface and the discussed the training class scheduled for January 2005 , with Alstom.

**Circulating Water Lines Repair** - The plans for repair of the critical sections of the Unit 1 circulating water line are being completed on schedule. We have received all of the carbon fiber and epoxy needed to complete the work and have awarded the contract for installation of the carbon fiber to Gateway. Thirty-eight (38) sections of pipe will be repaired on Unit 1 this upcoming outage. There will be seven crews of installers working on the pipe, five during the day and two on nights. They have to be able complete the work in about 22 days.